

Experiment Number: 427822

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 4,4'-Oxydianiline

CAS Number: 101-80-4

Date Report Requested: 09/19/2018

Time Report Requested: 16:31:45

**NTP Study Number:**

427822

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

Experiment Number: 427822  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 4,4'-Oxydianiline  
CAS Number: 101-80-4

Date Report Requested: 09/19/2018  
Time Report Requested: 16:31:45

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.70 ± 0.25		58.20 ± 2.79
37.5	5	3.30 ± 0.46	0.0117	46.30 ± 2.95
75.0	5	4.20 ± 0.89	< 0.001 *	56.02 ± 7.17
150.0	5	2.90 ± 0.40	0.0383	50.10 ± 6.60
Trend p-Value		0.0950		
Positive Control <sup>2</sup>	5	5.20 ± 0.93	< 0.001 *	36.80 ± 5.99

Trial Summary: Positive

Experiment Number: 427822  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**  
Test Compound: 4,4'-Oxydianiline  
CAS Number: 101-80-4

Date Report Requested: 09/19/2018  
Time Report Requested: 16:31:45

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.20 ± 0.41		50.80 ± 5.41
75.0	5	1.70 ± 0.34	0.1764	62.80 ± 5.62
150.0	4	2.63 ± 0.24	0.0132	51.25 ± 6.78
Trend p-Value		0.0130 *		
Positive Control <sup>2</sup>	5	4.20 ± 0.37	< 0.001 *	48.50 ± 5.17

Trial Summary: Positive

Experiment Number: 427822  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 4,4'-Oxydianiline  
CAS Number: 101-80-4

Date Report Requested: 09/19/2018  
Time Report Requested: 16:31:45

LEGEND

---

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**\*\* END OF REPORT \*\***